

Importing Products with the ImportExport core module

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Overview

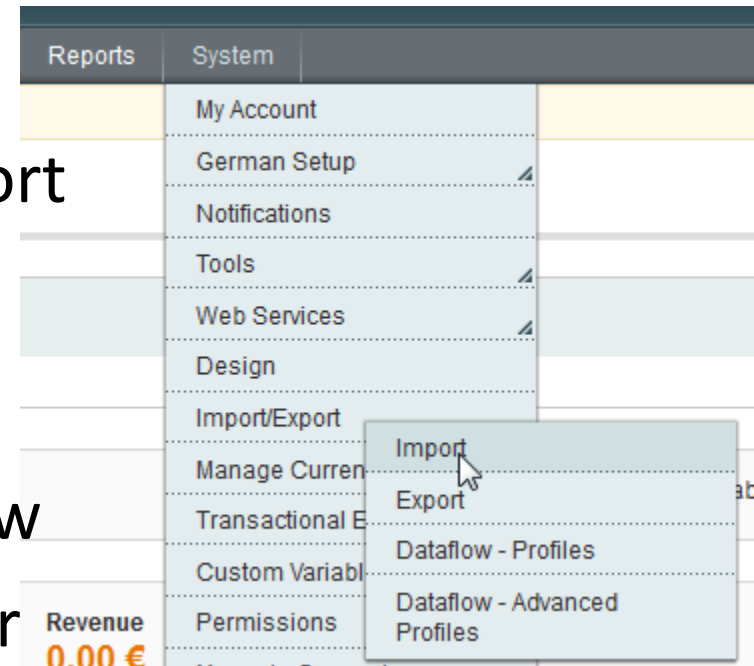
- Introduction: ImportExport
- Importing Products: Basics
- Special Cases
- Drawbacks
- Using ImportExport in own modules

Introduction: ImportExport

- Introduced in Magento 1.5 (CE), improved in Magento 1.6
- Imports products and customers from CSV files
- Replaces DataFlow
- Much faster import
- Doesn't use Magento models
- Three types: append, replace, delete

Importing Products: Basics

- Used from the backend
- Validation in first step, import in second
- CSV file format:
 - Column names in first row
 - Comma as field separator
 - Optionally included in “...”
 - UTF-8



Importing Products: Basics

```
sku,_type,_attribute_set,_product_websites,nam  
e,price,description,short_description,weight,s  
tatus,visibility,tax_class_id,qty
```

```
1234567,simple,Default,base,"Product  
Name",0.99,Description,Short  
Description,0,1,4,2,76
```

- Comma as field separator
- Optionally included in "..."
- UTF-8

Revenue	Permissions	Customer Profiles
0.00 €		

Importing Products: Basics

- For Updating, you don't need to provide all required fields
- Exceptions: `_type`, `_attribute_set`, `_store`
- Example:

sku	_type	_attribute_set	_store	qty
1234567				74
1234568				12

Special Cases: Select Fields

- Predefined fields (status, visibility, tax_class_id) expect option ID (integer)
- Custom fields (color, manufacturer, ...) expect option value (string)

sku	color	is_imported	visibility
1234567	red	yes	4
1234568	blue	yes	1

Special Cases: Multilingualism

- If you need a different value for different Store Views, create additional lines
- The field “_store” contains the store view code
- The field “sku” only has to be filled in the first line of the product

sku	_store	name	Description
1234567		Default	Default Description
	de	Standard	Default Description German
	en	Default	Default Description English

Special Cases: Multiple Websites

- If a product should belong to more than one website, enter each website code in a single line
- “_store” remains empty

sku	_product_websites
1234567	website_code_1
	website_code_2

- In general: if a field has more than one value (i.e. multiselect), use one line for each value

Special Cases: Categories

- Each category into one line
- “_category” contains the breadcrumb path, starting below root category

sku	_category
1234567	Electronics/Cameras/Digital Cameras
	Apparel/Shoes

- Problem: categories in different root categories can have the same breadcrumb path

Special Cases: Tier Prices

- See example

sku	_tier_price _website	_tier_price _customer_group	_tier_price _qty	_tier_price _price
1234567	all	1	10	0.89
	all	1	20	0.79
	all	2	10	0.85
	all	2	20	0.70
1234568	website _code_1	all	10	16.50

Special Cases: Product Images

- Images must be in /media/import/

sku	_media_image	_media_attribute_id	_media_is_disabled	_media_position	_media_label	image	small_image	thumb_nail
1234 567	img1.jpg	77	1	1	Image 1	img1.jpg	img2.jpg	img2.jpg
	img2.jpg	77	0	2	Image 2			
	img3.jpg	77	0	3	Image 3			

- Get `_media_attribute_id` with
`Mage::getSingleton('catalog/product')`
`->getResource()->getAttribute('media_gallery')`
`->getAttributeId();`

Special Cases: Up-Sells, Cross-Sells, Related Products

- Attribute pairs:
 - `_links_related_sku` and `_links_related_position`
 - `_links_crosssell_sku` and `_links_crosssell_position`
 - `_links_upsell_sku` and `_links_upsell_position`

<code>sku</code>	<code>_links_upsell_sku</code>	<code>_links_upsell_position</code>	<code>_links_crosssell_sku</code>	<code>_links_crosssell_position</code>
1234567	1234568	1	1234569	1
	1234569	2		

Special Cases: Grouped Products

- Set product type to “grouped”
- Assign single products

sku	_type	_associated _sku	_associated _position	_associated _default_qty
1234567	grouped	1234568	1	1
		1234569	2	1

Special Cases: Individual Options

- See Slides from Vinai Kopp, Imagine 2011:
<http://netzarbeiter.com/media/MagentoImagine/ImportExport.pdf>

Special Cases: Configurable Products

- See Slides from Vinai Kopp, Imagine 2011:
<http://netzarbeiter.com/media/MagentoImagine/ImportExport.pdf>

Drawbacks

- Category Import: Difficult Format
- Inconsistent Input Formats (i.e. select fields)
- Attributes get their default value assigned when it is not in input data (i.e. visibility)
- Not all product features supported
- Indexing necessary after import

Using ImportExport in own modules

- Create new ImportAdapter as in Vinai Kopp's presentation
- Use my module FastSimpleImport with which you can import from arrays (https://github.com/avstudnitz/AvS_FastSimpleImport)
- Use CuteSave (API extension for quick product saving) (<https://github.com/fodcamp/cutesave>)

Thank you

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